

Attorney Docket No. PP00336.129 (2300-0336.10)

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 3/18/04.

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Sergio Abrignani

Serial No.: Not Assigned

Examiner: Not Assigned

Confirmation No.:

Art Unit: Not Assigned

Filed: Herewith

For: BINDING PROTEIN

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- ☒ In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☐ In accordance with 37 C.F.R. §1.97(c), also enclosed is:
- ☐ the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
- ☐ a statement as specified in 37 C.F.R. §1.97(e).
- ☐ In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. §1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☐ Check No. ____ in the amount of \$____ for the total fee is attached.

☒ [X] A return receipt postcard is also enclosed.

☐ [] Please charge \$_____ to Deposit Account No. 18-1648 for the total fee.
This paper is being submitted in duplicate.

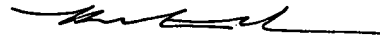
The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 18-1648.

Dated: 3/18/04

Respectfully submitted,

Chiron Corporation
Intellectual Property – R440
Emeryville, CA 94662
Tel: (510) 923-2708
Fax: (510) 655-3542

By:



Roberta L. Robins

Reg. No. 33,208

Attorney Docket No. PP00336.129 (2300-0336.10)

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as Express Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 3/18/04

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Sergio Abrignani

Serial No.: Not Assigned

Examiner: Not Assigned

Confirmation No.:

Art Unit: Not Assigned

Filed: Herewith

For: BINDING PROTEIN

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97(b)**

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☐ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☒ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/011,910 to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to _____ application serial no. _____ and mailed on _____.

- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication ____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) _____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☒ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☐ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

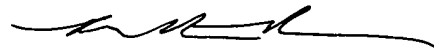
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: 3/18/04

Respectfully submitted,

Chiron Corporation
Intellectual Property – R440
P. O. Box 8097
Emeryville, CA 94662
Tel: (510) 923-2708
Fax: (510) 655-3542

By:



Roberta L. Robins
Reg. No. 33,208

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

| | | | | | |
|---|---|----|---|--------------------------|--------------|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | Not Assigned |
| | | | | Filing Date | Herewith |
| | | | | First Named Inventor | Abregnani |
| | | | | Group Art Unit | Not Assigned |
| | | | | Examiner Name | Not Assigned |
| Sheet | 2 | of | 3 | Attorney Docket Number | 2300-0336.10 |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | | |
|---|-----------------------|---|----------------|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ | |
| | | Chien et al., "Diagnosis of Hepatitis C Virus (HCV) Infection Using an Immunodominant Chimeric Polypeptide to Capture Circulating Antibodies: Reevaluation of the Role of HCV in Liver Disease", Proc. Natl. Acad. Sci. USA., (1992) 89:10011-10015 | | |
| | | Choo et al., "Genetic Organization and Delivery of the Hepatitis C Virus", Proc. Natl. Acad. Sci. USA., (1991) 88:2451-2455 | | |
| | | Darzynkiewicz et al., "Flow Cytometry", Academic Press (c1990) | | |
| | | Gething et al., "Contraction of Influenza Haemagglutinin Genes that Code for Intracellular and Secreted Forms of the Protein", Nature (1982) 300:598-603 | | |
| | | Laemmli, "Cleavage of Structural Proteins During the Assembly of the Head of Bacteriophage T4", Nature (1970) 227:680-685 | | |
| | | Morre et al., "Plasma and Internal Membranes from Cultured Mammalian Cells", Methods in Enzymology (1994) 228:448-450 | | |
| | | Rosa et al., "A Quantitative Test to Estimate Neutralizing Antibodies to the Hepatitis C Virus: Cytofluorimetric Assessment of Envelope Glycoprotein 2 Binding to Target Cells", Proc. Natl. Acad. Sci. USA., (1996) 93:1756-1763 | | |
| | | Spaete et al., "Characterization of the Hepatitis C Virus E2/NS1 Gene Product Expressed in Mammalian Cells", Virology (1992) 188:819-830 | | |
| | | Minutello et al., Journal of Hepatology, 17 (Suppl. 1):55-56 | | |
| | | Rice, C.M., Hepatology 29(3):990-992 | | |
| | | Rowlands et al., pp. 795-808, in Henry, J.B. ed., Clinical Diagnosis & Management by Laboratory Methods, 18 th ed., W.B. Saunders Company, Philadelphia | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

| | | | | | |
|---|--------------|----|---|--------------------------|--------------|
| Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> | | | | Complete if Known | |
| | | | | Application Number | Not Assigned |
| | | | | Filing Date | Herewith |
| | | | | First Named Inventor | Abignani |
| | | | | Group Art Unit | Not Assigned |
| Examiner Name | Not Assigned | | | | |
| Sheet | 3 | of | 3 | Attorney Docket Number | 2300-0336.10 |

| OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS | | | |
|---|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ¹ |
| | | Shimonaka et al., Journal of Biological Chemistry, 269(19):14284-14289 | |
| | | Bowie et al., Science, 247:1306-1310 (1990) | |
| | | Burgess et al., Journal of Cell Biology, 111:2129-2138 (1990) | |
| | | Lazar et al., Molecular and Cellular Biology, 8:1247-1252 (1988) | |
| | | Levy et al., Structure and Membrane Topology of TAPA-1, The Journal of Biological Chemistry 266(22):14597-14602 (1991)... | |
| | | Pileri et al., Binding of Hepatitis C Virus to CD81, Science 282:938-941 (1998) | |
| | | Levy et al., "CD81 (TAPA-1): A Molecule Involved in Signal Transduction and Cell Adhesion in the Immune System," Annu. Rev. Immunol., 16:89-109 (1998) | |
| | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|--------------------|--|-----------------|--|
| Examiner Signature | | Date Considered | |
|--------------------|--|-----------------|--|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.